

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME 3M COMPANY		EMERGENCY TELEPHONE NO. (612) 733-2328
ADDRESS (Number, Street, City, State, and ZIP Code) 3M CENTER, ST. PAUL, MINNESOTA 55101		
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS 3M Brand Integral Fuel Tank
CHEMICAL FAMILY	FORMULA Sealant EC-1675 B, Class B-1	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
Methyl ethyl ketone	<2	200ppm
Dimethylformamide	<3	10ppm (skin)

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	MEK	176°F	SPECIFIC GRAVITY (H ₂ O=1)	1.47
VAPOR PRESSURE (mm Hg.)		NA	PERCENT VOLATILE BY WEIGHT	-2
VAPOR DENSITY (AIR=1)	MEK	>1	EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER		Slight		

APPEARANCE AND ODOR Viscous cream colored paste.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	170°F (O.C.)	FLAMMABLE LIMITS	Lel	Uel
			7.0	11.5
EXTINGUISHING MEDIA	CO ₂ , foam, dry chemical.			
SPECIAL FIRE FIGHTING PROCEDURES	None			
UNUSUAL FIRE AND EXPLOSION HAZARDS	None			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE See Section II.

EFFECTS OF OVEREXPOSURE

May be irritating to the eyes. Breathing concentrated vapors may be irritating to the upper respiratory system.

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Flush eyes with plenty of water. Obtain medical attention.

Inhalation: Provide fresh air.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURESSTEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Collect spilled material. Clean up residue.**WASTE DISPOSAL METHOD**

Sanitary landfill or incinerate properly in accordance with local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION	LOCAL EXHAUST X	SPECIAL
	MECHANICAL (General)	OTHER
PROTECTIVE GLOVES		EYE PROTECTION X
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from sources of ignition. Use only in areas adequately ventilated to prevent vapor buildup. Avoid eye contact. Avoid prolonged breathing of vapors

OTHER PRECAUTIONS

and prolonged or repeated contact with skin.

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CHEMICAL FAMILY	FORMULA Sealant EC-1675-A Class B-1	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
Manganese Dioxide				50	5mg/M ³ as Mn

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Contains no solvent	N.A.	SPECIFIC GRAVITY (H ₂ O=1)	1.72
VAPOR PRESSURE (mm Hg.)		N.A.	PERCENT VOLATILE BY WEIGHT	0
VAPOR DENSITY (AIR=1)		N.A.	EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER	About	0		
APPEARANCE AND ODOR	Black viscous paste			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Contains no flammable liquids	N.A.	FLAMMABLE LIMITS	Let	Uel
EXTINGUISHING MEDIA	CO ₂ , foam, dry chemical				
SPECIAL FIRE FIGHTING PROCEDURES	None				
UNUSUAL FIRE AND EXPLOSION HAZARDS	None				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

See Section II.

EFFECTS OF OVEREXPOSURE

May be irritating to eyes and skin.

EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Flush eyes with plenty of water. Seek medical attention.

Skin Contact: Wash with soap and water.

SECTION VI - REACTIVITY DATA

STABILITY

UNSTABLE

X

CONDITIONS TO AVOID

Exposure to high temperatures may cause explosive ignition.

STABLE

INCOMPATIBILITY (Materials to avoid)

Organic matter or other reducing substances.

HAZARDOUS DECOMPOSITION PRODUCTS

HAZARDOUS

POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Collect spilled material. Clean up residue.

WASTE DISPOSAL METHOD

Contains heavy metals. Incinerate properly in accordance with local regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

VENTILATION

LOCAL EXHAUST

SPECIAL

MECHANICAL (General)

X

OTHER

PROTECTIVE GLOVES

X

EYE PROTECTION

X

OTHER PROTECTIVE EQUIPMENT

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact with eyes. Avoid prolonged or repeated contact with skin.

OTHER PRECAUTIONS